



Published weekly for employees of Lawrence Livermore National Laboratory

Friday, February 20, 2004

Vol. 29, No. 7

# New Cafe improves Lab quality of life



**Denise Robinson,**  
Lab institutional  
facilities manager

Our new Central Café demonstrates the Laboratory’s commitment to change. The Central Café demonstrates the Laboratory’s commitment to improving the quality of life for its workforce and modernizing its facilities. The Central Café is a visible response to the recommendations made during the 2001 employee survey regarding work/life issues. It also represents the Laboratory’s first and largest project using Institutional General Plant Project (IGPP) funding. The Central Café offers higher quality food service options, giving employees more choices on site. We have nearly doubled the serving capacity and can handle twice the number of daily lunches (from 700 to 1,200). Eurest Dining Services is now able to serve you better with additional grills and ovens, an exhibition cooking area, new sandwich and salad bars, and a gourmet coffee and espresso bar.

Using approximately 16,000 square feet of space, there is increased indoor and outdoor seating with a panoramic view, and a conveniently located UNCLE Credit Union ATM on the north exterior of the facility.

IGPP is a recently approved funding mechanism for minor (less than \$5 million) new construction projects of a general institutional nature at multi-program sites. This method of funding was approved for use

See **CAFE**, page 8



Central Cafe as seen from south side of drainage basin.

# A&S restructuring effort offers market-driven salary structures

The Laboratory’s vision for the Administrative and Specialist (A&S) Restructuring is to create multiple salary structures linked to market so that each can move independently of others.

Currently, the Laboratory has one salary structure covering multiple salary grades and various job families and disciplines for the 100 series. This is represented in the accompanying Current Salary Structures chart. This is a

## Restructuring process has many key drivers

Two articles last week reviewed the key drivers for undertaking the Administrative & Specialist Restructuring and the development and intended use of Job Family Matrices.

To recap, the key drivers for the A&S Restructuring are:

- Incorrect alignment of some 100 series job classifications, salary grades, and pay with market
- Outdated classification descriptions
- Inconsistent use of classifications by directorates

See **RECAP**, page 7

See **RESTRUCTURING**, page 7

# Draft environmental report on impact of Lab activities released for public comment

NEWSLINE STAFF REPORT

A draft statement on the environmental impact of current and future Laboratory operations was released today for public comment by the Department of Energy and the National Nuclear Security Administration.

The draft statement analyzes the potential environmental impacts associated with current Laboratory operations and new and/or modified operations and facilities in evolving national security mission areas such as stockpile stewardship and homeland security.

“Public comment on the draft statement is very important to NNSA,” said Tom Grim, LLNL document manager for NNSA. “Public comment is a vital part of this process, which will result in a record of decision regarding future operation of the Laboratory.”

Officially called the “Draft Site-wide Environmental Impact Statement for Continued Operation of Lawrence Livermore National Laboratory,”

See **SWEIS**, page 5

# Genome of infectious bacterium decoded

By Charles Osolin

NEWSLINE STAFF WRITER

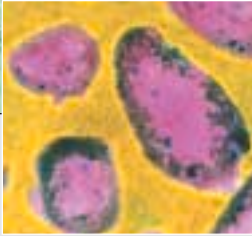
Two teams of researchers, one based in the United States and the other in Europe, have decoded the genetic blueprint of the tularemia bacterium, a highly infectious human and animal pathogen.

The complete genomes of separate strains of *Francisella tularensis* were sequenced by scientists at the Laboratory and at Uppsala University in Uppsala, Sweden. Also participating were researchers at Porton Down, United Kingdom; the Swedish Defense Agency, Umea, Sweden; the U.S. Center for Disease Control’s Division of Vector-Borne Infectious Diseases, Fort Collins, Colo.; and Walter Reed Army Institute of Research, Silver Spring, Md.

“Comparing the genome sequences of the two strains will help us identify the genes, and



Tularemia bacterium



their associated proteins, that cause one strain of *F. tularensis* to be more virulent than another,” said biologist Emilio Garcia, one

of the project leaders for the Laboratory.

Knowledge of the microbe’s genome sequence — the precise order of the nucleotide bases in its DNA —

can improve scientific understanding of its fundamental physiology and metabolism. The knowledge could help researchers develop more effective vaccines and better methods for detecting, diagnosing and treating tularemia.

Tularemia, or rabbit fever, is a rare but serious disease normally spread by insect

See **GENOME**, page 8



**The heart of nutrition debate**

— Page 2



**African American history talk**

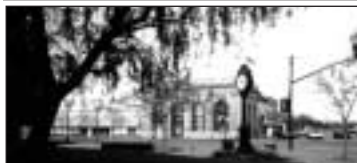
— Page 5



**Cybersecurity unearths worm**

— Page 8





## LAB COMMUNITY NEWS

### Weekly Calendar

#### Technical Meeting Calendar, page 4

Saturday  
**21**

There is a **scheduled power outage** today from 7 a.m. to 3 p.m. in Bldg. 581. Air conditioning, heating and elevators will be affected. For further information, contact Mark Cardoza, 3-0490.

Monday  
**23**

Authors of **2004 R&D 100 Awards entries** are reminded to initiate the IM Review & Release process of their final drafts this year, as well as sending a copy to IPAC, in early to mid February. Applicable videos, CDs and/or photos must be included for approval. Final bound entry packages are due to Lisa Chartrand by today. For more information, go to the IPAC R&D 100 Award Website <http://www-r.llnl.gov/IPandC/emp/> or contact Lisa Chartrand, 2-2297, chartrand1@llnl.gov.

Tuesday  
**24**

The Laboratory's **Micro-century Toastmasters** networking group will hold its annual International Speech and Impromptu Speaking contests at noon today in the Bldg. 155 auditorium. Any interested employees are welcome to attend. For more information, contact Don Johnston, 3-4902.

...

Join the **LLNL retirees travel slide group** as it features "Colonial Mexico's Day of the Dead" video hosted by David and Barbara Edwards at 2 p.m. today at the Live-more Library meeting room. The group meets on the fourth Tuesday of the month. Next month features a trip to Southeast Asia. For more information, contact Margy Odell at 449-7262.

...

The **Expanding Your Horizons** packet stuffing party will be today from 11 a.m. to 2 p.m. in Bldg. 170, rooms 1091 and 1092. You will need a badge to access this building, located next to the Westgate entrance. For more information, contact, Sheri Ann Dante, dante3@llnl.gov, or Sarah Roberts, roberts28@poptart.llnl.gov.

Wednesday  
**25**

The **Benefits Office** is offering a workshop on the fundamental principals of investing titled, "Basic Investment Planning and Savings" today from 8:30 a.m. – noon or 1 - 4:30 p.m. in Bldg. 571, conference room 1301. The workshop will provide the necessary information to assess the risks and potential rewards associated with a wide range of investment choices and the advantages and disadvantages of investing through UC's Tax-Deferred 403(b), Defined Contribution Plan, as well as other savings programs. If you are 10 or more years from retirement you will gain from the information provided in this workshop. The cost of this workshop is \$45 and pre-registration is required. Register by visiting the Benefits Office Website at [www.llnl.gov/llnl/02employment/benefits/seminars.htm](http://www.llnl.gov/llnl/02employment/benefits/seminars.htm) or contact the Benefits Office, 2-9957.

### Food for thought



Phil Arzino, the Health Services Department's health promotion manager helped employees make sense of Low Carb vs. Low Fat diets Tuesday as part of Healthy Heart Month, sponsored by the Safety and Environmental Protection Directorate.

The talk, titled "Losing Weight — Making Sense of the Low Carb vs. Low Fat Controversy," addressed some of the science around the controversy and provided employees with information on how to make intelligent diet choices. Arzino will provide health tips through NewsOnLine throughout the month.

## Comets to star in science lecture

In January, NASA flew a spacecraft called Stardust through the tail of a comet.

Find out how this high-risk maneuver will bring fresh comet samples back to earth at Saturday's (Feb. 21) "Science on Saturday" lecture when John Bradley, director of the Lab's Institute of Geophysics and Planetary Physics, and Los Gatos High School physics teacher Dan Burns present "Star Dust: Catching a Comet By the Tail," at 9:30 a.m. at the Amador Theater, 1155 Santa Rita Rd., Pleasanton.

The Science on Saturday series of lectures and demonstrations are intended for students in grades 6-12 and will run through Feb. 28. All

lectures are free and held at the Amador Theater.

All lectures start at 9:30 a.m. and end at 11:15 a.m. Seating is on a first come, first serve basis and there is no pre-registration. Directions, maps, and a complete list of this year's lectures are available on the SOS Website at <http://education.llnl.gov/sos/2004/>

For additional information contact: Richard Farnsworth, man-

ager of LLNL's Science & Technology Education Program, 2-5059.

#### ◆ February 21, 2004 ◆

Star Dust: Catching a Comet By the Tail  
John Bradley, astrophysicist, director of the Institute of Geophysics and Planetary Physics, LLNL  
Dan Burns, physics teacher, Los Gatos High School

#### ◆ February 28, 2004 ◆

Galaxies and Black Holes: The Good, the Bad, and the Ugly  
Wil van Breugel, research astronomer, Institute of Geophysics and Planetary Physics  
Dan Burns, physics teacher, Los Gatos High School

*All lectures are free and held at the Amador Theater located at 1155 Santa Rita Rd., Pleasanton. All lectures start at 9:30 a.m. and end at 11:15 a.m. Seating is on a first come first serve basis. and there is no pre-registration.*

### Laboratory to celebrate National Engineering Day with 600 school children

The Laboratory will celebrate National Engineers Day from 9 a.m. to 2 p.m. on Friday, Feb. 27, in the Bldg. 123 auditorium and in the area across from the West Cafeteria, with special events for school-age children.

Greg Brown from The Technology Museum of Innovation in San Jose will deliver this year's keynote address, "You're Already An Engineer."

Students between the ages of 10 and 14 will also have the opportunity to participate in hands-on demos such as LEGO Mindstorms, Sunspots and "what's in a computer," among other activities. More than 600 students are expected to attend this year's event.

To volunteer or for more information, contact Elizabeth Wheeler, 3-6245, or Scott Winters, 2-6767.

## Newsline

Newsline is published weekly by the Internal Communications Department, Public Affairs Office, Lawrence Livermore National Laboratory (LLNL), for Laboratory employees and retirees.

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AROUND THE LAB



Hubbard of NASA Ames to discuss shuttle accident

G. Scott Hubbard, director of the NASA Ames Research Center, will deliver a DDLS presentation, “The Columbia Accident Investigation: Causes and Contributors in a High-Risk Environment,” at 3:30 p.m. Monday, Feb. 23, in the Bldg. 123 auditorium.

Saturday morning, Feb. 1, 2003, the Space Shuttle Columbia was lost with all aboard. By Saturday afternoon, the Columbia Accident Investigation Board was convened, in accordance with NASA guidelines established after the Challenger disaster in 1986. Hubbard served as the sole NASA official on the board.

His talk will review the evidence for both the physical and organizational causes of the accident, with particular insight into the process of investigation that led to the board’s conclusion. The talk will summarize the board’s findings and recommendations for returning the Space Shuttle to flight and operating it safely in coming years.



G. Scott Hubbard



The potential for broad applicability of the board’s findings to complex, high-risk environments will be discussed.

As director of NASA Ames Research Center, he manages a workforce of approximately 2,700 people

and an annual operating budget of \$775 million. Known for his innovative approach to collaborations between government, academia and the private sector, Hubbard recently served as the sole NASA representative on the Columbia Accident Investigation Board. He directed impact-testing analysis that established the

definitive physical cause of the Columbia disaster.

Hubbard was the first Mars program director and successfully restructured it in the wake of mission failures. He is credited with conceiving the Mars Pathfinder mission. Other key positions include Ames associate director for astrobiology and space research, the first director of NASA’s Astrobiology Institute, and NASA’s mission manager for Lunar Prospector.

Prior to joining Ames in 1987, he was vice president and general manager of Canberra Semiconductor and a staff scientist at the Lawrence Berkeley National Laboratory. Hubbard holds a bachelor’s degree in physics and astronomy from Vanderbilt University, and conducted graduate studies in semiconductor physics at UC Berkeley. He has been awarded five NASA medals and has twice received Laurels from *Aviation Week*. Hubbard, an elected member of the International Academy of Astronautics and a Fellow of the American Institute of Aeronautics and Astronautics, is the author of more than 40 scientific papers.

Part of Mesquite Way to close as Bldg. 140 access is limited

As a result of completion of the construction of Bldg. 140, the planned closure of Mesquite Way to vehicle, bicycle, and pedestrian traffic south of Bldg. 140 between West Perimeter Drive and Avenue A becomes effective today during working hours.

Employees will see traffic cones and the closed gates at Mesquite Way to mark this change.

Operations at the Mesquite Way gate at Vasco Road and Security Post P-MWG (at the Sunshine Building) will not be affect-

ed by the closure. Traffic entering the Mesquite Way gate will still be able to turn south at the West Perimeter Road to the A1, A2, Z1, and Z2 parking lots or turn north on West Perimeter Road to the new Fifth Street extension to connect to Avenue A.

By mid-March, the Fifth Street extension will be completed all the way through from West Perimeter Drive to the new four-way stop intersection at West Inner Loop Road.



The closure of Mesquite Way and the incorporation of Bldg. 140, the International Security Research Facility, into the Limited Access Area are important milestones to bring Bldg. 140 online for occupancy by the Non-proliferation, Arms Control and International

SecurityAI Directorate.

Last-ditch effort earns award



The Terascale Simulation Facility (TSF) Construction Management Team completed the “TSF Trenching Across the Lab” project in December without incident. This included trenching and installing over one mile of ductbank across the heart of the Laboratory. The effort earned team members a Plant Engineering award. Team members pictured are:

Top Row: Steve Griffin, Edmundo Cairel, Paul Abdallah, Drake Linforth, Lonn Dayton, Marriann Silveira, Anna Maria Bailey, Jim Leimbach, Ian Watson

Middle Row: Ed Helkenn, Joe Pires, Anita Zenger, Joe Sousa, Kris Franzke

Bottom Row: Dan Loder, Ray Mercado, Tom Messa





# NEWS YOU CAN USE

## Science in Seattle

Max Tabak, LLNL’s associate program leader for Inertial Fusion Energy Target Design in the Fusion Energy Program, addresses a session at the American Association for the Advancement of Science (AAAS) conference in Seattle last Friday. Tabak’s presentation, “Physics of Ultra High-Density Plasmas and a Potential Energy Source on Earth” described the physics of inertial fusion and plans for NIF to achieve ignition in the coming decade. The AAAS conference — considered to be the largest general-science meeting in the world each year — attracted some 5,000 attendees and more than 1,000 journalists.

BOB HIRSCHFELD/NEWSLINE



## Technical Meeting Calendar

Friday  
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### INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

“Star Formation in Massive Clusters,” by James Graham, UC Berkeley. Noon, Bldg. 319, room 205. Contact: Wil van Breugel, 2-7195, or Sharon Taberna, 3-6290.

### CHEMISTRY & MATERIAL SCIENCES, MATERIALS SCIENCE & TECHNOLOGY DIVISION

“Application of Liquid-Metals as Plasma-Facing Surfaces in Magnetic Confinement Fusion Devices,” by J.P. Allain, Argonne National Laboratory. 3:30 p.m., Bldg. 235, Gold Room. Contact: Tom Felter, 2-8012, or Rebecca Browning, 2-5500.

### DEFENSE & NUCLEAR TECHNOLOGIES COLLOQUIUM

“QMU Assessment Methodology,” by Richard A. Ward. 10:30 a.m., Bldg. 111, room 114 (Poseidon Room), Q clearance and SP access required, no foreign nationals. Contact: Linda Stuart, 3-7001, stuart5@llnl.gov. or Frankie Springer, 3-6192, springer9@llnl.gov.

### INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

“PROLINKS: a Database of Co-evolving Proteins,” by Matteo Pellegrini, UCLA. 10 a.m., Bldg. 361 auditorium (property protection area). For more information go to <http://www.llnl.gov/casc/calendar.shtml>. Contact: Peg Folt, (EEBI) 2-7708, or Leslie Bills, 3-8927.

Monday  
23

### DIRECTOR’S DISTINGUISHED LECTURER SERIES

“The Columbia Accident Investigation: Causes and Contributors in a High-risk Environment,” by G. Scott Hubbard, director NASA Ames Research Center. 3:30 p.m., Bldg. 123 auditorium. For more information, go to the DDLS Website: <http://lsto.llnl.gov/DDLS/index.html>. Contact: Mona Garcia, 2-5214, or Mary Callesen, 3-2810.

### BIOSECURITY & NANOSCIENCES LABORATORY SEMINAR

“A 1.7-Kilobase Single-Stranded DNA That Can be Folded Into a Nanoscale Octahedron,” by William Shih, Scripps Research Institute. 2 p.m., Bldg. 151, Room 1209 Stevenson Room (P-cleared). Contact: Joe Tringe, 2-7725, or Brynn Bollinger, 2-6637.

### H DIVISION SEMINAR

“Locally Optimal Block Preconditioned Conjugate Gradient Method for Electronic Structure Calculations,” by Andrew Knyazev, University of Colorado. 2 p.m., Trailer 2128, room 1000 (controlled area). Contact: John Pask, 2-8392, or Darlene Klein, 4-2868.

Tuesday  
24

### NAI COLLOQUIUM

“CAPS and the War in Iraq: Support of the CAPS Program to Operation Iraqi Freedom,” by Thomas Ramos, Q-Division/NAI. 2 p.m., Bldg. 132S, room 1000 auditorium. L/Q – cleared required; talk is secret, no foreign nationals allowed. Contact: Mona Dreicer, 2-7588, or Melissa Ramirez, 3-2559.

### PHYSICS & ADVANCED TECHNOLOGIES DIRECTORATE-WIDE SEMINAR

“Nearby Active Galactic Nuclei Seen With Adaptive Optics at the Keck Telescope,” by Claire Max. 1 p.m., Bldg. 2128, room 1000 (uncleared area). Contact: Alan J. Wootton, 2-6533.

### PHYSICS & ADVANCED TECHNOLOGIES DIRECTORATE-WIDE POSTDOC FOURM

“Modeling the Effects of Magnetic Fluctuations in SSPX Spheromak,” by Maxim V. Umansky. 2 p.m., Bldg. 2128, room 1000 (common use facility). For additional information, see <http://www-pat-r.llnl.gov/PostDocs/PatdocForum.html>. Contact: Andrew J. Williamson, 2-8285.

Wednesday  
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### CHEMISTRY & MATERIALS SCIENCE POSTDOCTORAL PROGRAM

“From Postdoctoral Scholar to University Professor: And the Strate-

gies You Need to Get There,” by Richard M. Reis, executive director, Alliance for Innovative Manufacturing at Stanford University. 1 p.m., Bldg. 155 auditorium, room 1101 (property protected area). Contact: Tom Arsenlis, 4-2584, or Linda Jones, 3-8839.

### INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

“Adaptive Resource Management Via Processor Virtualization: Charm++ and AMPI,” by Laxmikant Kale, University of Illinois at Urbana-Champaign. 9:30 a.m., Bldg. 451, room 1025 (property protection area). For more information, see <http://www.llnl.gov/casc/calendar.shtml>. Contact: Andy Yoo, (CASC) 2-3721, or Leslie Bills, 3-8927.

Thursday  
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### LDRD WORKSHOP

If you are interested in submitting a proposal to the FY05 Laboratory Directed Research and Development (LDRD) Laboratory-Wide (LW) competition, attend the following workshop on the LW proposal submission-and-review process: 11 a.m. Bldg. 155, room 1101 auditorium. Contact: Jeffrey C. Grossman, 3-6991, or grossman3@llnl.gov.

Friday  
27

### INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

“Extrasolar Planets: The Shadow Knows...,” by David Charbonneau, California Institute of Technology. Noon, Bldg. 319, room 205. Contact: Wil van Breugel, 2-7195, or Josie Morgado, 2-7181.

The deadline for the next Technical Meeting Calendar is noon, Wednesday.

Send your input to [tmc-submit@llnl.gov](mailto:tmc-submit@llnl.gov). For information on electronic mail or the news-group [llnl.meeting](mailto:llnl.meeting), contact the registrar at [registrar@llnl.gov](mailto:registrar@llnl.gov).

NEWS YOU CAN USE



Talk to focus on ‘challenges and solutions’ for black Americans

How do we close the racial academic achievement gap? How do we reduce the number of African American males that are incarcerated? How do we close the racial wealth gap? How do we reduce the 66 percent divorce rate? How do we better leverage \$688 billion, 9,000 elected officials, four million college graduates, and 85,000 churches?

These questions and more will be addressed during the presentation “Challenges and Solutions for Black America,” by Jawan-



Jawanza Kunjufu

za Kunjufu at noon Tuesday, Feb. 24, in the Bldg. 543 auditorium.

Kunjufu was educated at Morgan State, Towson, Illinois State and Union Graduate School. He has spoken at almost every college in America and has been a consultant for most urban school districts. He has taught seminary for eight years to doctoral students at United Theological Seminary.

Kunjufu has authored 22 books including national best sellers: “Countering the Conspiracy to Destroy Black Boys”; “Black Students: Middle Class Teachers”; “Satan, I’m Taking Back My Health”; and “State of Emer-

gency: We Must Save African American Males.” His latest book, “Solutions for Black America,” is scheduled for release April 1.

His afri-centric-multicultural curriculum, SETCLAE is used in hundreds of schools nationwide. He is a book publisher and executive director of a tutorial, mentoring, counseling and rites of passage agency. He has been a guest on Oprah Winfrey, Sallie Jesse Raphael and Black Entertainment Television. His work has been featured in *Ebony* and *Essence* magazines. Kunjufu, which means dependable and cheerful in Swahili, is a husband, father and grandfather.

The talk is sponsored by LLNL's Worklife Programs Office and the Association of Black Laboratory Employees. For additional information, contact Michele Cardenas, 3-2796.

SWEIS

Continued from page 1

ry and Supplemental Stockpile Stewardship and Management Programmatic Environmental Impact Statement” (LLNL SW/SPEIS), the draft statement analyses a “Proposed Action” and two alternatives; the “No Action Alternative” and a “Reduced Operation Alternative.”

The no action alternative would continue operation of current Laboratory programs in support of currently assigned missions. The proposed action includes operations discussed under the no action alternative plus new and/or expanded LLNL operations in support of reasonably foreseeable future mission requirements. The reduced operation alternative includes an overall reduction of LLNL activities below the no action alternative level.

NNSA reviews the “site-wide environmental impact statement” (SWEIS) for the national labs it oversees every five years and updates the document about every 10 years. The last update was conducted in 1992.

“The idea is to take a 10-year view of the Laboratory,” Grim said.

Public comment will end May 27 and a final environmental impact statement will be completed this fall. The record of decision by NNSA Administrator Linton Brooks is expected in January 2005.

This Notice of Availability also sets dates, times, and locations for public hearings on the draft statement.

NNSA invites federal agencies, state and local governments, Native American tribes, and the public to comment on the draft statement. The comment period extends from the publication of this Notice of Availability until May 27. Written comments must be submitted by May 27. Comments submitted after that end date will be considered to the extent practicable.

NNSA will consider the comments in the preparation of the final LLNL SW/SPEIS. Public hearings to present information and receive comments on the draft LLNL SW/SPEIS will be held at three locations. This information will also be published in local California newspapers in advance of the hearings. Any necessary changes will be announced in the local media and on the Website noted in the “addresses” section of this notice. Oral and written comments will be accepted at the public hearings.

Ways to provide public comment

The locations, dates, and times for these public hearings are as follows: **Tuesday, April 27**, 1 p.m. and 6 p.m., Livermore Double Tree Club Hotel, 720 Las Flores Road, Livermore, CA 94550, (925) 443-4950

**Wednesday, April 28**, 1 p.m. and 6:30 p.m., Tracy Holiday Inn Express, 3751 N. Tracy Boulevard, Tracy, CA 95304, (209) 830-8500

**Friday, April 30**, 10 a.m., U.S. Department of Energy, Room 1E-245, 1000 Independence Ave, S.W., Washington, D.C. 20585

The following Website may be accessed for additional information: [www-envirinfo.llnl.gov/](http://www-envirinfo.llnl.gov/). For information or instructions on how to record comments call 1-877-388-4930.

**Addresses:** Send written comments on the draft LLNL SW/SPEIS or requests for copies of the draft LLNL SW/SPEIS to: Mr. Thomas Grim, Document Manager, National Nuclear Security Administration, Liver-

more Site Office, L-293, 7000 East Avenue, Livermore, CA 94550-9234. Phone (925) 422-0704 or toll free 1-877-388-4930. Comments can be mailed to Grim at the address above; faxed to (925) 422-1776, or e-mailed to [tom.grim@oak.doe.gov](mailto:tom.grim@oak.doe.gov). Mark correspondence “Draft LLNL SW/SPEIS Comments”. The draft LLNL SW/SPEIS will be available on the LLNL Environmental Community Relations Website at [www-envirinfo.llnl.gov/](http://www-envirinfo.llnl.gov/).

A copy of the Draft LLNL SW/SPEIS will be available at several locations:

**The Livermore Public Library**, 1000 South Livermore Avenue, Livermore, CA. **The Tracy Public Library**, 20 East Eaton Avenue, Tracy, CA. **The LLNL Public Reading Room**, LLNL Visitors Center, Bldg. 6525, located at the East Gate Entrance off Greenville Road, Livermore, CA, (925) 424-4026. **The NNSA Energy Information Center**, eighth floor, north tower, Oakland Federal Building, 1301 Clay Street, Oakland, CA 94612, (510) 637-1762. **The DOE Freedom of Information Act Office and Reading Room**, Room 1E-190, 1000 Independence Ave, S.W., Washington, D.C. 20585, (202) 586-3142.

Join your co-workers in fighting cancer

Purchase a bunch of freshly cut daffodils (10 stems) for \$10. A vase is available for an additional \$8.

Money from this American Cancer Society-sponsored event will go to research, education and patient services.

The deadline for an LLNL order is **Tuesday, March 2**. Delivery will be on **Monday, March 22**.



Check the list below for the LLNL Daffodil Days volunteer nearest you who is accepting orders.

Name	Bldg.	Rm.	L-code	Phone	Name	Bldg.	Rm.	L-code	Phone
Barnes, Tracey	111	501R	L-001	3-9060	Pierce, Sue	2679	1269	L-386	3-1094
Bell, Christine	543	2075	L-640	3-9447	Pope, Kathy	274	1021	L-504	3-1015
Berkich, Tracy	071	1020	L-102	2-8246	Quick, Bonnie	451	1041	L-561	2-6510
Bireley, Kathy	543	Lobby	L-638	2-8431	Raziano, Donna	1878	110	L-278	2-8517
Breznik, Joanne	616	100	L-697	4-4101	Rutan, Dena	231	2454	L-344	3-0696
Conrad, Janet	113	4048	L-073	2-7561	Sarlund, Nancy	261	1508	L-387	2-5072
Continente, Jenifer	132N	2001	L-103	2-6644	Schrader, Barry	6526	Chairman	Daffodil Days	
De Marco, Barbara	2775	1004A	L-395	4-2272	Schuld, Joni	111	Accounting Committee		
Emmrich, Shirley	551E	1090A	L-654	2-6206	Sefcik, Cookie	121	1013	L-051	3-2242
Fread, Lanette	411	1422	L-518	2-9288	Shuler, Jean	113	1030	L-067	3-1909
Grandfield, Charlene	5475	1359	L-633	3-1779	Silva, Kathy	235	2070	L-356	4-2597
Greenfield, Jodi	170	1079	L-103	4-6460	Springer, Frankie	111	332	L-016	3-6192
Horner, Nadine	6526	1003	L-797	3-9051	Sorensen, Nanette	2925	101	L-397	2-9670
Harrison, Jaquie	481	2253A	L-493	2-2823	Spears, Jodi	T1406	1015	L-221	2-6480
Jackson, Sandy	361	1579	L-441	2-9308	Stone, Sharon	663	1000	L-723	2-7459
Jessup, Mary	111	169E	L-002	3-1760	Thomas, Karma	2775	1019	L-395	2-5300
Delage, Lori	511	151C	L-607	2-6941	Thompson, Michelle	871	124	L-871	3-1180
Johnson, Chris	132S	1377	L-171	2-2670	Twiss, Carol	571/671	1138	L-725	2-9395
Lindsay, Karen	321A	2100	L-337	3-5028	Watt, Maggie	332	1138	L-360	3-6003
Mahler, Florann	211	136	L-414	2-9173	Weyburn, Sandy	551E	221E	L-657	2-0840
Miller, Margie	314	1216	L-432	3-0265	Williams, Anita	132N	2254	L-170	2-4550
Nelson-Lee, Jennifer	5426	1009	L-621	2-5750	Yazzie, Darlene	132S	2322	L-182	3-7846
Olund, Cindy	131	2075	L153	2-3668	Ybarra, Corinne	482	2158	L466	3-9501
Owens, Cinda	191	2235	L-282	2-3392					





**AUTOMOBILES**

1997 - Grand Caravan SE, 54k, 1 owner, under warranty, 5 doors, power, cruise, new tires/brakes, rear a/c, privacy glass, roof rack, \$7,000/obo. 925-461-8415

1998 - C280 Sport Mercedes Benz. Silver/Gray leather interior, immaculant condition, new tires, sport wheels, just serviced, low miles - \$18,500 209-598-0644

2001 - Volkswagen Jetta,Wolfs-burg Edition,white,excellent condition,sunroof,4-Cyl.1.8L Turbo, 5-speed,all power, cruise, 39K mi, Asking \$13,499 209-545-1308

1995 - GMC SAFARI AWD SLT Package, loaded,very clean, all options, great for skiing, 136k miles. \$4500./offer 209-599-4644

1995 - Honda Civic Ex, lowered, 17 inch rims, alarm, VTEC engine, very well maintained, super clean, many extras. \$6500.00 209-833-6720

1984 - 1984 Oldsmobile, Cutlass Supreme, Mechanics Special, 258K miles, 120k on rebuilt engine. \$545 obo. 925-330-6757

1987 - Tunderbird LX V8, new tires, dark blue/dark blue interior, good condition. \$2000.00 or best offer. Ask for John or Dave. 209-874-3724

1996 - Chevrolet Cavalier 4D Sedan, good condition, white, \$1,700.00, 510-299-9413. 925-606-6624

1997 - HONDA CIVIC LX, green,112,700 miles, good cond. Air/PS/PWR LCKS/WDOS, cruise,front air bags, upgraded speakers. \$6,150. 925-254-2278

**AUTOMOBILE ACCESSORIES**

Omega Zab Judah 2, 20 inch custom rims, base only w/Ventus 245/35ZR20 95Y tires (~75% tread remaining). Cost ~\$3500, selling for \$2700. 925-960-1513

Complete Reese 15K 5th Wheel Hitch with mounting kit. \$325 or best offer. 209-832-7204

TIRES two 185-70-R14 on 1986 Volvo rims \$20 each 209-835-2416

**BICYCLES**

Yakima dual roof bike rack car or truck asking 150.obo. call after 5:00pm 408-362-4503

Tag along bike. Connects to adult bike to allow child to ride behind adult. Mint condition! \$75 925-373-6255

20 inch, five speed bicycle. Good condition \$20 209-836-3481

Trek 6500 Mountain Bike like new one year old, used 10 times. Large frame for tall man, red in color. \$500.00 or best offer 925-373-0758

**BOATS**

98 Blue Water 18ft. OB 190 Merc.HP, 32 hours. Bimini Top, Bow Cover, Stereo-am/fm cassette w/4 speakers, Garaged, Life Jackets Incl., \$3,500.OBO 209-983-0877

1996 YAMAHA WaveRaider Jet Ski 760cc, W/ Shorelander Trailer, Well Maint, Garaged, Life Jackets Incl., \$3,500.OBO 209-983-0877

2003 Reinell 190, Volvo Penta 4.3 GL, 20 hrs., cockpit & bow covers, bimini, 6 yr. extended warranty, hr. meter, trailer, \$19,000,

**CLASSIFIED ADS**

OBO 925-373-1504

**CAMERAS**

Kodak mailers for color slides. 36 exp. Kodachrome or Ektachrome. \$6.00 ea. 925-932-3984

**ELECTRONIC EQUIPMENT**

(4) Utah 3-way speakers. Walnut Veneer cases. Horn tweeters, 4-inch mid, 12-inch woofers. \$75 each/125pair/200 all 4. 925-447-0596

DVD+R disks, Memorex, unopened, ten for \$1 each or trade for DVD-R disks; HP deskjet ink cartridge #23, new, \$15. 209-814-5278

Mac G4 MHz,896MB RAM,MacOS X,xtra video card, SCSI,20&60 Gig HDs,DVDRAM,Zip, 17in.mon, scnr,MSOffice,more.\$700 package or sep 925-513-3538

2 - 64Mb Smartmedia cards \$40 OBO. 209-483-8719

Nintendo 6400, 3 controllers, connectors, and 7 games. \$45.00 925-998-2620

**GIVEAWAY**

kitten to good home. must go. new baby. 209-474-6334

older upright piano uhaul first come first get 209-574-0939

**HOUSEHOLD**

Antique library case. 3-stacking units + base + writing shelf. For holding papers, magazines, not a bookshelf. \$100. 925-447-0596

Room air conditioner, window mount, 5K BTU, used one summer, \$100.00 925-516-2617

TWIN BED - mattress, boxspring and headboard, hardly used. \$50. 209-833-1201

Honeywell Enviracaire portable room air cleaner. Has HEPA filter with charcoal wrapper plus instructions. \$25, including extra charcoal wrapper. 925-846-3653

Couch, Hide-a-Bed, End Table, Table Lamps, Kitchen Table w/4 Chairs, Dresser w/Mirror, Full Bed. Make Offer 209-551-2234

Four solid mahoghany dining/arm chairs in Chinese Chippendale style. Pale melon color upholstery. \$150 each or \$500 set. 925-449-4512

Antique Oak Armoire lead beveled mirror \$400, tile marble washstand \$150 both from England, bench made from 1930 headboard \$50.00 925-684-2532

Fine China - Sango Debutante. Large set with 8 serving piecies. Worth \$1000, make offer. Excellent Condition. 925-447-0220

Simons Crib: Maple with mattress - great condition - \$125 925-833-2560

Octagonal beveled edged glass top kitchen table (47 inches) w/ black iron base and 4 matching chairs, green. Very good condition. \$300 925-294-5939

Childrens twin Pedestal Bed with 3 drawers,Golden Oak Grain veneer,like new. Asking \$200 (mattress not included) 925-462-2838

Tempur-pedic mattress, queen size; 2 years old in guest room; moving - must go. Paid \$1400, sell for \$400 obo. 209-835-6062

DR TABLE - solid oak, 40x58 + 18 leaf. med. oak color. \$200 obo. 925-449-4003

Loft bed-twin size-all wood, 4 drawers on side,desk and shelves under bed. \$200 925-447-3079

**MISCELLANEOUS**

55 gal Fish tank Oak stand & Canopy w/heater and accessories.\$200 firm 925-449-1340

Rescue Hero & Power Ranger figures & accessories, \$2.00 each or make an offer for all of them. Excellent condition. 925-606-0755

Lawn mower, Craftsman, 20 inch, 3 years old, good condition, \$75.00 925-516-2617

Welding shop Sale, closing the doors, selling; Forklift,Power tools,material,etc. 2/22/04 8am-12pm, 3575 1st,St. Livermore 925-348-1443

SAN JOSE SHARKS 2 TIX \$40 EACH FACE VALUE. Centerice sect 215. March 3 vs Montreal, March 9 vs Minnesota, March 11 vs NY Islanders All games 7:30 925-516-7099

Used 12 ft 3-legged wooden picking or pruning ladders in good condition. \$20.00 each. ext 2-5612 or 209-892-6993

Wood burning stove. Needs work. You haul. \$200 or BO 925-455-1338

Heating and air conditioning installation and repair. Certified installer, furnace/AC replacements. 925-828-6190

Little Tikes Climber and Slide. 3 step ladder, platform, roof. For ages 2-4. \$20. Little Tikes Coupe. Free. 510-338-0237

Tow Bar and mounting assembly, great for towing behind motorhome, fits 1988-1991 Ford Ranger or Bronco, \$100.00 925-634-5606

Starrett mag base and one inch travel dial indicator. \$50 each. 209-835-2416

BEANIE BABIES: Over 40+ beanies. All in good condition. \$3.00 each. Please call after 4pm too many to list. 209-835-7413

FILING CABINET - 4-drawer, steel, black. \$50 obo. 925-449-4003

Thomas the Train - tracks, structures, and trains. great condition and prices. 925-998-2620

Boys clothes - Gap, Old Navy, etc. excellent condition and prices. 925-998-2620

**MOTORCYCLES**

2001 - Suzuki RM125 - FMF Spark Arrestor, Pro Circuit Shorty, Black Anodized Rims, triple clamps, Renthal bars & more- \$2,200 or BO 925-449-3140

**PETS & SUPPLIES**

FISH TANK(New): -30 gallon display tank -Iron Stand -24 inch T3 light fixture(w/23W white & 23W actinic bulb) \$145 value sell for \$50 510-209-5033

BEAGLE PUPPIES. AKC registered. Show quality. Parents on site. Females \$700. Males \$600. Available end of Feb. Pick yours now! 925-449-9078

Free rabbit cages on stackers with pans. 1 30x30 single, 1 20x20 2 hole. Both in great condition. 925-455-5736

Saddle: Dressage saddle by English Custom Saddlery. 17 inches, black leather, 1 yr old, was \$1,100 new, now asking \$800/obo. 925-373-8895

MIN SCHNAUZER PUPS-adorable

**See complete classified ad listings at**  
**<https://www-ais.llnl.gov/newsline/ads/>**

& healthy; well behaved; loving parents w/ great personalities; AKC; \$600, will negotiate, 209-601-8342, 209-839-9497

Dog Run, Cyclone fencing 6ft by 6ft by 14ft with latched gate. All parts included. \$225.00 or best offer. 925-625-0290

Free to good home indoor cat, female, spade, declawed white cat. Very friendly and loving. Must find her new home due to allergies. 925-443-5008

CUSTOM CAT FURNITURE - Does your feline deserve (demand;-) the best in life? Posts, beds, houses & catnaziums are my specialty. Call Howard at 925-606-0234

**RECREATION EQUIPMENT**

Snow skis, Rossignol 158, Marker bindings, ladies Nordica boots size 6, poles, used 5 times \$150 925-455-8238

Total Gym and Nordic Track Challenger. Both in like new condition. Total Gym, \$150.00 OBO. Nordic Track, Free. Need space for computer table. 205-529-1809

Total Gym exercise system; excellent condition; all parts, instruction manual \$125. 209-835-6062

Zymol boxed car care kit with full size wax, wash, detail, leather cleaner & conditioner. Never opened. \$25. 925-648-0671

**RIDESHARING**

Express your commute, call 2-RIDE for more information or visit <http://www-r.llnl.gov/tsmp>

Modesto - WORKING 4-10s from Modesto. Luxury van 6-4:30 and runs Mon.-Fri. has one seat available. 209-667-2365, ext. 2-8321

Elk Grove - I5 at Laguna to LLNL, 7:00-3:30 shift. Need 1 more in 4-person carpool. Losing 1 person in April. 916-961-0625, ext. 4-4125

Martinez - Martinez carpool looking for a 4th rider/driver. Work hours 7:30-4:30. Call 35933 or 925-228-3759, ext. 3-7857

**SERVICES**

Hauling Service. Estate Cleanouts, Attics, Garage, Shed & Barns. Misc. 925-373-9540

Expert painting and related services. Sheetrock, tape, texturing. Interior and exterior work, free estimates. 925-487-6643

**SHARED HOUSING**

Livermore - furnished room for rent. Clean/quiet. No pets/no smoking. \$550.00/month. Share utilities 1/3. Deposit. Mature adult. 925-449-1128

Livermore - Furnished or Unfurnished Room for Rent:\$600 per month, includes utilites. Non smoker/no pets. 925-784-4176

**TRUCKS & TRAILERS**

1995 - (Class A) Aerbus XL2900 Ford 460. Fully Loaded inside with Levelers/Awning.\$36,000 209-239-3229

1970 - For Sale: Chevy C-10 Truck, \$6,700 209-824-2618

Set of 4 stock dodge alloys 8lug w/michelin ltx m/s 265/75/R16. Almost brand new came off 2001 Dodge diesel. 600.00 OBO 209-743-5794

1995 - Camper Shell grey felt

lined sliding windows for Toyota Pickup SR5 Xtra cab. \$100 for quick sale. Keith 4-3495 925-606-1971

**VACATION RENTALS**

Snowy mountain cabin near Arnold. 4 bedr, 2bath, fully equipped kitchen, wood burning stove. Close to Bear Valley Ski Resort. 925-245-1114

Sooo cute beach cottage in Santa Cruz. 2 bedr, 2 bath. Spa, fully equipped kitchen. 4 blks from ocean. 925-245-1114

SOUTH LAKE TAHOE - 3 Bedroom 2 bath Chalet, nicely furnished, all amenities, close to all skiing, RESERVE NOW for OPENINGS!FEW WEEKENDS LEFT! 209-599-4644

Maui-Kihei Beautiful 1BR/2BA in Kamaole Sands Resort. Big Island-Waikaloa, new 2BR/2BA in The Fairway Villas Resort. Both w/all amenities. 209-836-2413

Maui, HI - Kahana Reef ocean-front 1BR/1BA condominium. Beautiful two-island view, ocean-side pool, and BBQs. LLNL rates for year-round reservations. 925-449-0761

**WANTED**

SOD-Need a few rolls to fill in a small area in the yard. 209-833-1201

I am taking a online college algebra course through BYU, need help. Would like to have a tutor 1-2 hrs per week. Pay for services. Please help!!! 209-743-0964

Looking for Boys 20 BMX Race Bike Will Pay \$\$\$ 209-892-8804

Need moving boxes. Can pick-up, your schedule. Please. Paul 925-648-8008

Wanted SF Giants Opening Day Tickets Need up to 4 tickets 209-640-9372

Teams & individuals for Relay 4 Life in Livermore, June 26th-27th. To participate in this fun community event, call 925 373-9435 or 925-373-7434

Wanted Metal or environmental friendly floating dock. 925-449-1340

Looking for used trumpet. Good sound more important than looks. 209-239-9116

MIG Welder Wanted, 220 Volts, Paul Harriss 925-455-1730

RETIREEES! Miss being around children? Occasional evening/weekend childcare wanted for one well-behaved fourth grade girl. Livermore. 925-455-5323

Home to rent on a month to month basis in the local area. Must have 3 bdrm./ 2 ba. and allow pets. New to LLNL. 408-281-9664

Ray-O-Vac pool swweep. Willing to pay \$100 209-832-1105

Wanted- 4/4 full size Violin for begining Student. 925-443-7419

**Please note:**

**Services and merchandise listed in *Newsline* are not guaranteed. It is up to the buyer to scrutinize services purchased.**

RECAP

Continued from page 1

- Different pay practices among directorates
  - Perceived inequities
  - Best practice
- A Job Family Matrix (JFM) was developed for nine job families and more than 35 specific disciplines. The JFMs contain a varying number of career levels, with the maximum of four. Each matrix provides an overall description of the work performed at each level using the following four criteria:
- Major Job Responsibilities
  - Qualifications, Skills, and

- Technical Knowledge
- Leadership
  - Accountability

The Job Family Matrix will be the basis for slotting jobs into the new classification structure. Compensation has begun to train line managers/supervisors in the slotting process.

The official employee comment period on Job Family Matrices began Wednesday. Drafted matrices are published on the A&S Restructuring Website. Employees are encouraged to review the matrices and provide anonymous comment via the Web at <http://www-r.llnl.gov/ASR/index.html>.

RESTRUCTURING

Continued from page 1

- traditional salary structure. The drawbacks to using a traditional salary structure are:
- Pay grade adjustments move in unison and may not accurately reflect market differences for various disciplines.
  - Inability to quickly respond to significant market spikes or dips for specific disciplines because multiple disciplines are encompassed within a single salary grade.
  - Some jobs are over-compensated while others are significantly under-compensated because merit allocations are based on overall salary structure movement.

Separate salary structures can more accurately reflect market differences and can respond more easily to market changes. The Conceptual Model of A&S Salary Grade Structures (see chart) provides a visual example of three separate job families with three separate salary grade structures. Currently, there are nine A&S job families. The Laboratory could develop separate salary structures, specifically tied to market, for each of the nine families. This would allow the Laboratory ultimate flexibility to address market differences. However, it is more likely that after a review of the market data by family, the Laboratory will combine families with similar pay

into three to five separate salary structures. This will allow flexibility to address significant market differences, while minimizing administrative complexity.

Determining market value by job family

A “market” is defined as the geographic area where an organization recruits its workforce from and loses its workforce to. For the majority

of A&S jobs, the market is the greater Bay Area.

Development of the new salary structure begins with the identification of salary surveys and benchmark matches within the labor market. The Lab has identified two primary surveys to be used in the market analysis:

- Radford Benchmark Survey (Bay Area & Silicon Valley company focus)
- SC/CHiPS Professional and Management Survey (Bay

Area & Silicon Valley company focus)

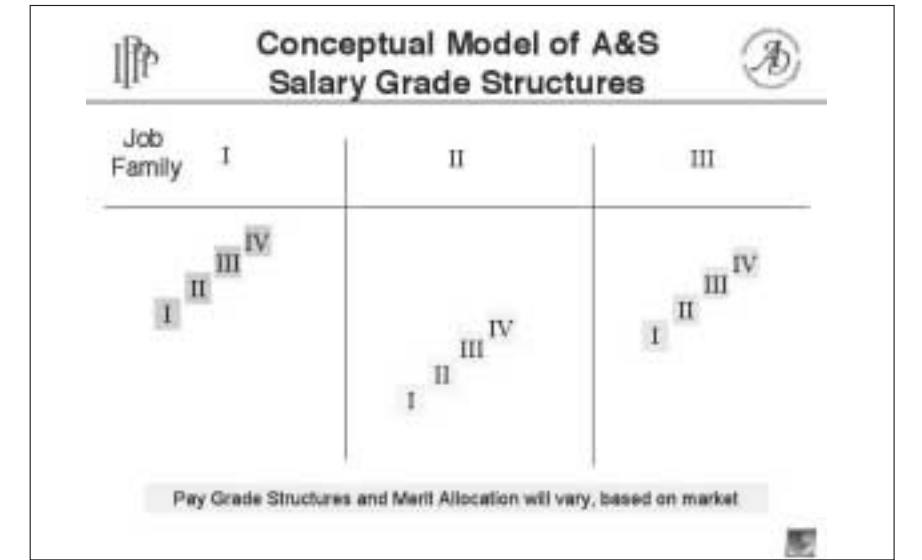
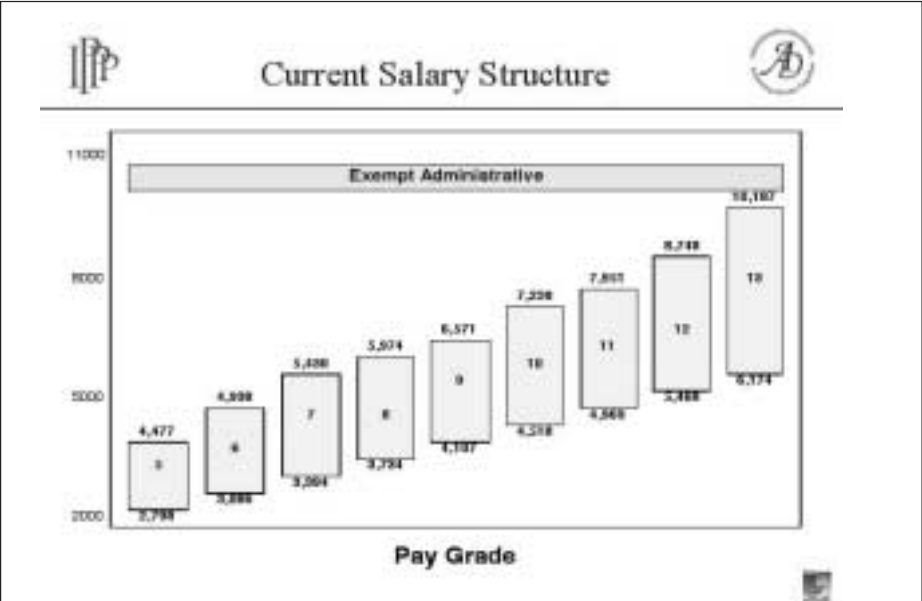
In addition, two supplemental surveys have been identified.

- ORC-SIRS (Bay Area company focus)
- Foushee (primarily for security positions)

Some of the companies who report data to these surveys include:

- Hewlett Packard
- Cisco
- Intel
- Clorox
- Apple
- Oracle
- PeopleSoft
- Bechtel

After determining the benchmark and career level match, the estimated market value



(EMV) for each discipline and career level is extracted from the survey. EMVs for each discipline and career level within a family are pulled together and an average is calculated by career level, which becomes the basis for developing the Laboratory’s Job Family salary range. (See market data table.)

The new salary structures developed will be tied specifically to market and may or may not correspond to the Laboratory’s current salary structure. Employees’ jobs will be slotted into a new classification and salary structure, but no employee’s salary will be reduced.

Compensation is still analyzing market data and developing the new salary structures. These will be finalized in the April timeframe and communicated to employees for comment.

For more information on the A&S Restructuring project, please refer to the Website at <http://www-r.llnl.gov/ASR/index.html>. Employee comments may also be submitted via the Website.

Employee comment period

The Employee Comment Period for the Administrative and Specialist Restructuring Program began Wednesday and will run through Tuesday, March 9. During this period, employees will have an opportunity to comment on the proposed Job Family Matrices. This is the first of two comment periods; the second will be in April and will cover the pay structures.

For information on the restructuring program or to submit comments, see the Website at <http://www-r.llnl.gov/ASR/index.html>. Comments must be received by March 9.

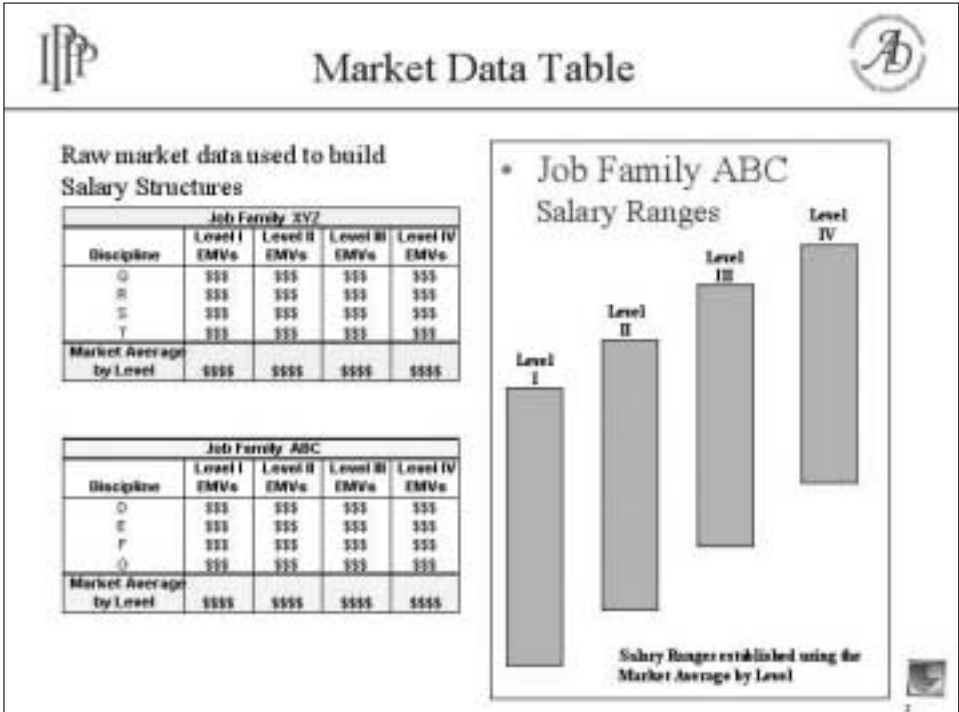
Employee brown-bag sessions

The Administrative & Specialist restructuring of the 100 series job classifications is on target for a May 2004 implementation.

There are scheduled employee brown bag sessions to give an overview of the A&S restructuring, including the matrices that are out for employee comment, and answer employee questions. Brown bag sessions have been scheduled in the Biology & Biotechnology Auditorium (Bldg. 361, room 1140) on the following dates/times:

Monday, Feb. 23, 3-4 p.m.  
Wednesday, Feb. 25, 9-10 a.m.

If you have any questions regarding these sessions, call Compensation, 2-6570.





# New e-mail extension blocker repels new worm attack

The Lab’s new e-mail extension blocker passed its first test with flying colors, according to Dave Grubb who heads Livermore’s network security team, a part of the Lab’s Cyber Security Program.

Last week, Grubb said a rapidly spreading new worm called “W32.Beagle.B” hit the Internet. The worm had a high propagation rate and was carried in a “.exe” file attached to e-mail messages. This malicious code is a mass-mailing worm that sends e-mail messages to the addresses it gathers from machines it infects.

“Our extension blocker stopped more than 400 infected messages from getting into the Lab that morning,” Grubb noted. By 9 a.m. last Tuesday the Lab’s anti-virus vendor provided definitions that

recognized the new worm. Equipped with the definitions, the Lab’s e-mail virus checkers took over and stopped incoming infected messages.

A check of Tuesday’s e-mail logs shows the Lab received 1,146 email messages with “.exe” extension attachments. Of these nearly 60 percent were infected. “This is very interesting,” Grubb noted, “because on a normal day we receive 300 to 400 messages with “.exe” files attached, and 99 percent to 100 percent of those are infected.”



The two-tiered defense stopped nearly 900 infected messages. Extension blocking stopped the first 457, and the e-mail virus checkers — once they received the needed virus definitions — stopped the next 425. Since then, the virus checkers have intercepted an additional 122 infected messages.

Grubb added, “The net result: We have not had a single computer infected with W32.Beagle.B.”

Laboratory  
W32.Beagle.B.”

## GENOME

Continued from page 1

bites and human contact with rabbits, prairie dogs and other small and medium-sized animals. While seldom fatal, and treatable with antibiotics, the disease causes severe, long-lasting pneumonia-like symptoms and a variety of glandular and intestinal disorders. As few as 10 organisms entering the body can cause fever, making tularemia one of the most infectious of all human diseases.

First discovered in 1911, tularemia is an “intracellular” pathogen that invades the body’s cells, shuts down their normal immune response, and then multiplies within the body. The bacteria can enter the body through open wounds, inhalation, ingestion, or bites from ticks and deerfiles. Signs of pneumonia and fever typically arise 24 to 48

hours after the disease is contracted.

While the virulent SchuS4 strain sequenced by Uppsala University is found primarily in North America, the microbe sequenced by LLNL, known as *F. tularensis* LVS (Live Vaccine Strain), is more widespread yet less virulent and is found in North America, Europe, and North-east and Central Asia.

An annual average of about 125 human cases of the disease were reported in the United States in the 1990s. In addition to being found naturally in the environment, *F. tularensis* is considered a potential biothreat agent. Prompt treatment with antibiotics can head off the worst symptoms of tularemia, which is currently fatal in about two percent of reported cases.

The *F. tularensis* LVS sequence, consisting of about 1.9 million base pairs, is being published

on LLNL’s Website (<http://bbrp.llnl.gov/bbrp/html/microbe.htm>). The *F. tularensis* SchuS4 sequence is available at [http://artedi.ebc.uu.se/Projects/Francisella/rightpage\\_tul.html](http://artedi.ebc.uu.se/Projects/Francisella/rightpage_tul.html). Once they are fully annotated, both sequences will also be submitted to Genbank, the DNA sequence database maintained by the U.S. National Institutes of Health, so they can be accessed and studied by scientists around the world.

The Livermore project was funded by the Department of Energy and other U.S. federal agencies, as well as by Laboratory Directed Research and Development funds. The European-American consortium was funded by the U.S. Army Medical Research and Materiel Command, the UK Ministry of Defense, the Swedish Ministry of Defense, and the U.S. Defense Advanced Research Projects Agency.

## CAFE

Continued from page 1

by the Department of Energy/National Nuclear Security Administration in 2002, after many years of effort by the LLNL CFO and other DOE/NNSA laboratories. Prior to IGPP funding, it was difficult to support a general purpose project like the Café because it was not linked to a specific program and program sponsor. This mechanism provided the way to move forward on this important project.

This is part of our ongoing effort to enhance employee work/life opportunities.

## Central café grand opening

The Central Café grand opening will take place Monday through Friday ( Feb. 23-27). A week of grand opening activities are planned.

Select vendors will offer samples and tasting of their products along with the café menu. There will also be daily raffles, prizes and giveaways. Stop by and check it out.

## Congressional staff visit



JACQUELINE MCBRIDE/NEWSLINE

From left: Tammy Perrin, staff director for the Senate Committee on Appropriations Subcommittee on Energy and Water Development, and Andrew Willison, minority clerk for the subcommittee, are briefed on the National Ignition Facility by George Miller, associate director for NIF, while Laboratory Executive Officer Ron Cochran looks on.



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